

## FIBERREINFORCED PLASTIC PRODUCT IMPROVED IN WEATHER RESISTANCE

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### Abstract

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**PURPOSE:** To enhance weather resistance and chemical resistance by laminating a resin layer constituted of acrylic ester resin or vinylidene fluoride resin as a main body on the base material constituted of uncured sheet molding compound as a base body via an interlayer constituted of glass fiber or polyester fiber having voids or through-holes as a main body.

**CONSTITUTION:** Uncured sheet molding compound used as the base material 1 is obtained by impregnating glass fiber for reinforcement with resin compound wherein a filler and a curing agent or the like are added to e.g. thermosetting resin. A sheetlike product made of glass fiber or polyester fiber having voids or through-holes is used for an interlayer 2 interposed on the upper surface of the base material 1. A composite film 3 is formed by laminating the respective films of acrylic ester resin or vinylidene fluoride resin constituting the uppermost layer via the interlayer 2. Vinylidene fluoride resin of the composite film 3 is thermally press-contacted on the interlayer 2 while holding the same as the upper surface. Then the press-contacted laminated body is overlapped on the base body 1, pressurized and heated.

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